

IN THE CLAIMS:

Please amend claims 1-8, 11, and 16-18 as follows. Please add new claims 19-20 as follows.

1. (Currently Amended) ~~A distributed routing device~~ An apparatus comprising:
a ~~routing unit-router~~ configured to route subscriber traffic flow between at least two wireless access networks and an ~~IP-internet protocol network~~, wherein the at least two wireless access networks correspond to different customer networks; and

a ~~generating unit-generator~~ configured to generate at least one instance for executing a security function on a subscriber traffic flow, so that physically one security instance for subscribers of at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance.

2. (Currently Amended) The ~~distributed routing device~~ apparatus according to claim 1, wherein at least one logical part of the security instance is associated with a context of a respective one of the wireless access networks and comprises an interface with the respective wireless access network.

3. (Currently Amended) The ~~distributed routing device~~ apparatus according to claim 1, further comprising an ~~associating unit-associating device~~ configured to associate the subscribers with the at least two wireless access networks.

4. (Currently Amended) The ~~distributed routing device~~ apparatus according to claim 1, further comprising a ~~reorganizing unit-reorganizer~~ configured to reorganize a context from a first logical part of the security instance associated with a first wireless access network of the at least two wireless access networks to a second logical part of the

security instance associated with a second wireless access network of the at least two wireless access networks.

5. (Currently Amended) The ~~distributed routing device apparatus~~ according to claim 4, wherein the ~~reorganizing unit reorganizer~~ is configured to reorganize the context from the first logical part to the second logical part in case of a handover of a subscriber from the first wireless access network to the second wireless access network.

6. (Currently Amended) The ~~distributed routing device apparatus~~ according to claim 1, wherein the security function comprises at least one of a ~~Virtual Private Network virtual private network~~, routing and firewall function.

7. (Currently Amended) The ~~distributed routing device apparatus~~ according to claim 1, wherein the ~~distributed routing device apparatus~~ is located at a provider edge of the ~~IP-internet protocol~~ network.

8. (Currently Amended) A method ~~for routing subscriber traffic flow in a distributed routing device between at least two wireless access networks and an IP network, the method comprising:~~

providing at least one instance ~~for executing to execute~~ a security function on the subscriber traffic flow routed between at least two wireless access networks and an IP network, wherein the at least two wireless access networks correspond to different customer networks, by logically separating the at least one instance for at least two wireless access networks, so that physically one security instance for subscribers of the at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance.

9. (Previously Presented) The method according to claim 8, further comprising:

associating at least one logical part of the security instance with a context of a respective one of the wireless access networks; and

providing an interface between the at least one logical part and the respective associated wireless access networks.

10. (Previously Presented) The method according to claim 9, further comprising:
modifying the context in the at least one logical part by the associated wireless access network via the respective interface.

11. (Currently Amended) The method according to claim 10, further comprising:
detecting whether the context to be modified comprises a security code; and
in case the context comprises the security code, inhibiting the ~~step of modifying of~~ the context.

12. (Previously Presented) The method according to claim 8, further comprising:
associating the subscribers with the wireless access networks.

13. (Previously Presented) The method according to claim 8, further comprising:
reorganizing a context from a first logical part of the security instance associated with a first wireless access network of the at least two wireless access networks to a second logical part of the security instance associated with a second wireless access network of the at least two wireless access networks.

14. (Previously Presented) The method according to claim 13, wherein the reorganizing comprises reorganizing the context from the first logical part to the second logical part in case of a handover of a subscriber from the first wireless access network to the second wireless access network.

15. (Previously Presented) The method according to claim 14, wherein the reorganizing comprises reorganizing a handover context pertaining to the subscriber handed over from the first wireless access network to the second wireless access network.

16. (Currently Amended) ~~A network node in a wireless access network for routing subscriber traffic flow to and from an IP network, the network node comprising:~~

~~a connection for connecting which connects~~ a network node to a distributed routing device ~~for routing configured to route subscriber traffic flow to and from an IP~~ internet protocol network, wherein the distributed routing device is configured to route subscriber traffic flow between at least two wireless access networks and an IP-internet protocol network, wherein the at least two wireless access networks correspond to different customer networks, and the distributed routing device comprises at least one instance for executing a security function on a subscriber traffic flow, so that physically one security instance for subscribers of at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance, wherein at least one logical part of the security instance is associated with a context of a respective one of the wireless access networks and comprises an interface with the respective wireless access network; and

~~the network node comprises modifying means for modifying a~~ modifying device configured to modify the context in the at least one logical part of the security instance associated with the respective one of the wireless access network via a respectively provided interface.

17. (Currently Amended) A network system comprising:

at least two wireless access networks and a distributed routing device ~~for routing configured to route~~ subscriber traffic flow between the at least two wireless access networks and an IP-internet protocol network, wherein the at least two wireless access networks correspond to different customer networks, wherein the distributed routing

device is configured to route subscriber traffic flow between at least two wireless access networks and an ~~IP~~internet protocol network, and the distributed routing device comprises at least one instance for executing a security function on a subscriber traffic flow, so that physically one security instance for subscribers of at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance.

18. (Currently Amended) An apparatus, comprising:

routing means for routing subscriber traffic flow between at least two wireless access networks and an ~~IP~~internet protocol network~~;~~, wherein the at least two wireless access networks correspond to different customer networks; and

generating means for generating at least one instance for executing a security function on a subscriber traffic flow, so that physically one security instance for subscribers of at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance.

19. (New) A network node comprising:

connection means for connecting a network node to distributed routing means for routing subscriber traffic flow to and from an internet protocol network, wherein the distributed routing means routes subscriber traffic flow between at least two wireless access networks and an internet protocol network, wherein the at least two wireless access networks correspond to different customer networks, and the distributed routing device comprises at least one instance for executing a security function on a subscriber traffic flow, so that physically one security instance for subscribers of at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance, wherein at least one logical part of the security instance is associated with a context of a respective one of the wireless access networks and comprises an interface with the respective wireless access network; and

modifying means for modifying the context in the at least one logical part of the security instance associated with the respective one of the wireless access network via a respectively provided interface.

20. (New) A network system comprising:

at least two wireless access networks and distributed routing means for routing subscriber traffic flow between the at least two wireless access networks and an internet protocol network, wherein the distributed routing means routes subscriber traffic flow between at least two wireless access networks and an internet protocol network, wherein the at least two wireless access networks correspond to different customer networks, and the distributed routing means comprises at least one instance for executing a security function on a subscriber traffic flow, so that physically one security instance for subscribers of at least two wireless access networks is present and logically at least one of the at least two wireless access networks has a respective security instance.